

2020-21 Biology BS Checklist

Name _____
 Student ID _____
 Date _____

GENERAL EDUCATION

I. Foundational Intellectual Skills (12-13 hours)

- ___ FYS110 First Year Seminar
- ___ ENG112 Writing and Community
- ___ COM101 Public Speaking
- ___ Mathematics (MAT215)

II. Knowledge Acquisition (19-20 hours)

- ___ Science with lab (BIO202)
- ___ HUM210 Meaning Through Culture
- ___ PHL130 Human Nature & Person
- ___ Foreign Language

One course from each group A and B:

Group A

- ___ BUS109 Business Plan Competition
- ___ ECN200 Introductory Economics
- ___ HIS102 History of the Modern World
- ___ POL102 Introduction to American Politics

Group B

- ___ PSY101 General Psychology
- ___ PSY220 Human Growth and Development
- ___ GST200 Introduction to Gender Studies
- ___ SOC101 Introduction to Sociology
- ___ SOC175 Introduction to Anthropology

III. Faith, Ethics, and Foundation (6 hours)

- ___ THL105 Introduction to Theology
- ___ Second Approved THL

IV. Greater Depth Cluster

- a. Completion of a minor or second major outside school (or department if College of Arts & Sciences)
- b. Completion of an interdisciplinary minor or concentration outside the first major. See catalog for approved programs.
- c. Focus on a specific theme (cluster) outside the major. See catalog for cluster course areas

Total Earned General Education Hours _____

BIOLOGY MAJOR REQUIREMENTS (60 hours)

Core Courses

___ BIO202 Evolution and Ecology	4
___ BIO203 Molecular Genetics	4
___ BIO204 Cell Biology	4
___ BIO205 Experimental Design and Statistical Analysis for Biologists	4
___ BIO291 Biology Career Seminar	1
___ BIO490 Biology Seminar	1
___ BIO491 Biology Capstone	1
___ CHE151 General Chemistry I	4
___ CHE152 General Chemistry II	4
___ CHE305 Organic Chemistry I	4
___ CHE306 Organic Chemistry II	4
___ MAT215 Fundamentals and Special Applications of Calculus	3
___ PHY110 General Physics I	4
___ PHY111 General Physics II	4

At least 12 credits in biology above 200 level with at least 6 credits at 300 level or above

- ___ BIO elective
- ___ BIO elective
- ___ BIO 300-level elective
- ___ BIO 300-level elective

Total Earned Major Hours _____

ELECTIVE/MINOR

Total Earned Minor/Elective Hours _____

TOTAL OVERALL EARNED HOURS _____

MARIAN UNIVERSITY

Indianapolis®

2020-21 Biology Major Sample Four Year Plan

Freshman Year							
Fall Semester				Spring Semester			
Requirement Category	Course	Credit Hours	Minimum Grade*	Requirement Category	Course	Credit Hours	Minimum Grade*
General Education	FYS110	3		Major	BIO203	4	C
Major/Gen. Ed.	BIO202	4	C	Major	CHE152	4	
Major	CHE151	4		Major	MAT215	3	
General Education	Foreign Language	4		General Education	ENG112	3	
				General Education	COM101	3	
Semester Hours	15			Semester Hours	17		
Cumulative Hours	15			Cumulative Hours	32		
Sophomore Year							
Fall Semester				Spring Semester			
Requirement Category	Course	Credit Hours	Minimum Grade*	Requirement Category	Course	Credit Hours	Minimum Grade*
Major	BIO204	4	C	Major	BIO205	4	C
Major	CHE305	4		Major	BIO291	1	C
Major	PHY110	4		Major	CHE306	4	
General Education	GST/PSY/SOC	3		Major	PHY111	4	
Minor/Elective/GDC		1		General Education	BUS/ECN/HIS/ POL	3	
Semester Hours	16			Semester Hours	16		
Cumulative Hours	48			Cumulative Hours	64		
Junior Year							
Fall Semester				Spring Semester			
Requirement Category	Course	Credit Hours	Minimum Grade*	Requirement Category	Course	Credit Hours	Minimum Grade*
Major	Elective	4	C	Major	Elective	4	C
General Education	HUM210	3		General Education	THL105	3	
General Education	PHL130	3		Minor/Elective/GDC		3	
Minor/Elective/GDC		3		Minor/Elective/GDC		3	
Minor/Elective/GDC		3		Minor/Elective/GDC		3	
Semester Hours	16			Semester Hours	16		
Cumulative Hours	80			Cumulative Hours	96		
Senior Year							
Fall Semester				Spring Semester			
Requirement Category	Course	Credit Hours	Minimum Grade*	Requirement Category	Course	Credit Hours	Minimum Grade*
Major	BIO490	1	C	Major	Elective	4	C
Major	BIO491	1	C	Minor/Elective/GDC		3	
				Minor/Elective/GDC		3	
Major	Elective	4	C	Minor/Elective/GDC		3	
General Education	Second THL	3		Minor/Elective/GDC		3	
Minor/Elective/GDC		3					
Minor/Elective/GDC		4					
Semester Hours	16			Semester Hours	16		
Cumulative Hours	112			Cumulative Hours	128		

*A minimum 2.0 cumulative GPA and a minimum 2.0 major GPA are required for graduation, so monitor your GPA closely. To meet degree requirements, some disciplines require higher grades in each course or a higher cumulative GPA.

This four-year plan is only a sample and will vary by student and course availability.